

Title (en)  
SELF-CLEANING ROTOR FOR A CENTRIFUGAL SEPARATOR

Title (de)  
SELBSTREINIGENDER ROTOR FÜR EINE TRENNZENTRIFUGE

Title (fr)  
ROTOR AUTONETTOYANT POUR SEPARATEUR CENTRIFUGE

Publication  
**EP 1011866 A4 20020814 (EN)**

Application  
**EP 98944652 A 19980901**

Priority  
• US 9818141 W 19980901  
• US 92773797 A 19970911

Abstract (en)  
[origin: WO9912650A1] A self-cleaning rotor assembly (10) for a centrifugal separator can be thoroughly cleaned of accumulated solids without disassembly of the separator. The rotor assembly (10) comprises a fully welded, enclosed rotor body (12). The rotor assembly (10) has a double-ended, hollow axial shaft (16). The bottom end of the axial shaft (16) extends through the separator housing and has a high pressure fluid coupling. A plurality of spray nozzles (40) are fitted to the axial shaft (16) within the rotor body (12). The spray nozzles (40) are arranged to cover virtually all of the interior surfaces of the rotor (12).

IPC 1-7  
**B04B 1/04**; **B04B 15/06**

IPC 8 full level  
**B04B 1/00** (2006.01); **B04B 1/04** (2006.01); **B04B 15/06** (2006.01)

CPC (source: EP US)  
**B04B 1/00** (2013.01 - EP US); **B04B 1/04** (2013.01 - EP US); **B04B 15/06** (2013.01 - EP US)

Citation (search report)  
• [X] DE 4429771 A1 19950316 - EXXON PRODUCTION RESEARCH CO [US]  
• See references of WO 9912650A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9912650 A1 19990318**; EP 1011866 A1 20000628; EP 1011866 A4 20020814; JP 2001515781 A 20010925; US 5908376 A 19990601

DOCDB simple family (application)  
**US 9818141 W 19980901**; EP 98944652 A 19980901; JP 2000510532 A 19980901; US 92773797 A 19970911